

# CPC COOPERATIVE PATENT CLASSIFICATION

## C23D ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS (chemical composition of the enamels C03C)

### C23D 1/00 Melting or fritting the enamels; Apparatus or furnaces therefor

C23D 1/02 . Granulating the melt; Drying the granules

#### Coating with the enamels

### C23D 3/00 Chemical treatment of the metal surfaces prior to coating (cleaning and de-greasing of metallic objects C23G)

### C23D 5/00 Coating with enamels or vitreous layers {(including applying fused refractory layers C23C 4/10, C23C 24/10)}

C23D 5/005 . {by a method specially adapted for coating special objects}

C23D 5/02 . by wet methods

C23D 5/04 . by dry methods

C23D 5/06 . producing designs or letters

C23D 5/08 . Applying enamels non-uniformly over the surface

C23D 5/10 . with refractory materials

#### **NOTE**

[C23D 5/10](#) is no longer used for classification. Documents are in the state of being reclassified to [C23C 4/10](#) and [C23C 24/10](#).

### C23D 7/00 Treating the coatings, e.g. drying before burning

#### Firing the enamels

### C23D 9/00 Ovens specially adapted for firing enamels

C23D 9/02 . Non-electric muffle furnaces

C23D 9/04 . Non-electric tunnel ovens

C23D 9/06 . Electric furnaces

C23D 9/08 . Supporting devices for burning-bars

C23D 9/10 . Loading or unloading devices

**C23D 11/00 Continuous processes; Apparatus therefor**

**After-treatment**

**C23D 13/00 After-treatment of the enamelled articles**

C23D 13/02 . Removing defects by local re-melting of the enamel; Adjusting the shape

**C23D 15/00 Joining enamelled articles to other enamelled articles by processes involving an enamelling step**

**C23D 17/00 De-enamelling**